ABSTRACT OF THE DISCLOSURE

The invention relates to a device and a method of controlling a welding apparatus ~~(1)~~ and the components of a welding system, whereby individual welding parameters can be set in the form of a welding job ~~(35 to 39)~~ by ~~means of~~ a first control unit ~~(22)~~ hard-wired to or integrated in the ~~welding~~ apparatus ~~(1)~~, ~~and~~ several such ~~welding~~ jobs ~~(35 to 39)~~ can be stored in a memory device ~~(28)~~ and~~, by selecting a welding job (35 to 39) by means of the first control unit (22),~~ the welding apparatus ~~(1) and~~ or the components of the welding system are activated ~~on the basis of the parameters stored therein~~ by a control system ~~(4), and when a second control unit (29) is operated, a start signal is sent to the control system (4) in order to start the welding operation~~ on the basis of the stored parameters. The ~~start signal or a control signal is thus generated by the push-button element (30) of the second control unit (29) and, before the~~ welding ~~operation is started, a selection or switch is made between the individual stored welding~~ jobs ~~(35 to 39) by means of the~~ will be stored in such a defined sequence that the operator creates a control signal in a standardized control sequence at the second control unit so that one of the stored jobs can be chosen. Afterwards the welding operation will be started by creating a ~~and/or if the~~ start signal ~~is generated~~ by ~~means of~~ the same push-button element ~~(30), a start-up~~ of the ~~welding operation is run~~ second control unit.